



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5616-3**Job Sheet 199798****Part No:** D5616-3**Job Qty:** 45 pcs**Part Name:** Supra Heavy Duty Hose Clamp Stainless Steel, W4 79-85**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 9/3/19**Job Tracking No:****Due Date:** 9/17/19**Created By:** Chantal Lavoie**Type:** Stock**Description:****Note:** D5616 REV.PB3 IPP REV:A 19.07.30 NEW ISSUE DD VERF:DP**Ship Via:****Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup	Run		
					Hrs	Hrs	Workcenter / Supplier Lead Time	
100	Purchasing	45 pcs	PC	9/17/19	0.00	0.00	Purchasing - 1	Re SEP 05 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	45 pcs	PC	9/17/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	Re SEP 05 2019
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S211760**Part:** D5616-3**Job No:** 199798**Serial No/Batch:** S211760**Revision:** PB3**Inspector:****Exp Date:****Instructions:****Date:** 09/05/19

Plex 9/3/19 8:40 AM Dart.Lavoie.Chantal

					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
120 QC 6	45 pcs	9/17/19	0.00 0.00		QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	DAS 81
					QC 6 - 81	9-89
130 Packaging 3-1 - Stock - B4B	45 pcs	9/17/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	DAS
					Packaging 3 - 4 - B4B	28
					Packaging 3 - 5 - B4B	9-89
140 QC 21 - SA	45 pcs	9/17/19	0.00 0.00		QC 21 - SA - 21	DAS
					QC 21 - SA - 70	70
					QC 21 - SA - 53	9-89

Part Op 100 - Issue P/O: _____ McMaster Carr Material release note required

Descriptions: 110 - Receive & Inspect for Damage & Mat'l Certs

120 - QC6- All purchased or subcontracted products

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

SEP 24 2019

SEP 25 2019

ST517

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
5462K62	Supra Heavy Duty Hose Clamp Stainless Steel, W4 79-85 D5616-3	45 Ea (1 ea)	100-Purchasing	5211756

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	5462K62	45	0	0

Part Specifications	
Specifications could not be found.	

Plex 9/3/19 8:40 AM Dart.Lavoie.Chantal

DART PIN	A	B	C	D	DESCRIPTION	WEIGHT	MANUFACTURER	MANUFACTURER PIN	VENDOR	VENDOR PIN
D5816-1	0.98	1.08	M8X1.25	3.583 3.819	SUPRA HEAVY DUTY HOSE CLAMP STAINLESS STEEL W4 91-87	0.28 lbs	MIKALOR	03013227	MAIN INDUSTRIAL SALES	18-G949197
									MCMASTER CARR	5462K64

NOTES:
 (1) MATERIAL: 304 STAINLESS STEEL
 (2) FINISH: N/A
 (3) TOLERANCES: PER MANUFACTURER'S SPECIFICATION
 (4) UNITS: INCHES UNLESS OTHERWISE NOTED
 (5) BREAK SHARP EDGES: N/A
 (6) IDENTIFICATION: IDENTIFY PER QSI 044.6.7
 (7) WEIGHT: SEE TABLE

71 NOV 17 1987
RELEASED

APPROVED

A	REV.	NEW ISSUE	DESCRIPTION	ZF	BY	DATE
DESIGN		SAD	DART AEROSPACE LTD			
DRAWN		ZF	HAWKESBURY, ONTARIO CANADA			
CHECKED		MMW	DRAWING NO.			
INFG. APPR.		DD	D5616			
APPROVED		NO	TITLE			
DE APPR.		CP	CLAMP			
DATE						

18.03.05
 REV. A
 SHEET 1 OF 1
 SCALE
 NTS

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044419



Supplier: MCM001-VU
McMaster-Carr Supply Co.
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Attention: N/A,

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044419

PO Date: 9/3/19

Due Date: 9/5/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED
2019-09-03

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		30345T971	1/pk	SS Nylon Coated Lanyard 1/16" Diameter X 8" Long	Firmed	-	9/5/19	48 Ea	0 Ea	48 Ea	\$2.92/Ea	\$140.16
2		5475A12	1/pk	Fixed Pin Spanner Wrench	Firmed	-	9/5/19	2 Ea	0 Ea	2 Ea	\$12.37/Ea	\$24.74
3		6399K41	10/pk	Knob	Firmed	-	9/5/19	10 Ea	0 Ea	10 Ea	\$7.80/Ea	\$78.00
4		8334K11	1/pk= 1 sf	Felt Pad W/Adhesive Back **SHELF LIFE REQUIRED**	Firmed	-	9/5/19	2 sf	0 sf	2 sf	\$17.69/sf	\$35.38
5		8702K566	4 ft long	UHMW Bar, Black, 3" Wide, 3/4" Thick	Firmed	-	9/5/19	4 ft	0 ft	4 ft	\$15.43/ft	\$61.72
6		90024A232	1/pk	18-8 Stainless Steel Threaded Rod, M10 X 1.5 mm Thread Size, 500 mm Long	Firmed	-	9/5/19	1 Ea	0 Ea	1 Ea	\$11.92/Ea	\$11.92
7		90128A245	50/pk	Steel Zinc Plated Socket Head Screw 1/4"-20 X 3/4" Long	Firmed	-	9/5/19	50 Ea	0 Ea	50 Ea	\$0.21/Ea	\$10.50
8		91116A120	100/pk	Flat Washer, Ø3 mm ID	Firmed	-	9/5/19	100 Ea	0 Ea	100 Ea	\$0.0277/Ea	\$2.77
9		91772A188	100/pk	SS Pan Head Phillips Screw #8-32 X 1/8" Long	Firmed	-	9/5/19	100 Ea	0 Ea	100 Ea	\$0.0998/Ea	\$9.98

Plex 9/3/19 3:44 PM Dart.Guerin.Kimberley



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Tel (613) 632-5200

PURCHASE ORDER

POHB044419



Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
10		92095A179	100/pk	Pan Head Machine Screw, M3 X 0.5 X 6 mm	Firmed	-	9/5/19	100 Ea	0 Ea	100 Ea	\$0.0506/Ea	\$5.06
11		92125A212	50/pk	Flat Head Machine Screw, M5 X 0.8 X 16 mm	Firmed	-	9/5/19	50 Ea	0 Ea	50 Ea	\$0.1498/Ea	\$7.49
12	199797	30365T35		Swivel Eye & Fork D4405-1 receive pcs	Firmed	-	9/5/19	2 pcs	0 pcs	2 pcs	\$74.03/pcs	\$148.06
13	199798	5462K62	1/pk	Supra Heavy Duty Hose Clamp Stainless Steel, W4 79-85 D5616-3	Firmed	-	9/5/19	45 Ea	0 Ea	45 Ea	\$12.34/Ea	\$555.30
14	199799	6264K72		Half Link D5039-5 receive pcs	Firmed	-	9/5/19	6 pcs	0 pcs	6 pcs	\$7.80/pcs	\$46.80
15	199800	63215K52		Bearing Spherical D3965-4 receive ea	Firmed	-	9/5/19	10 pcs	0 pcs	10 pcs	\$15.62/pcs	\$156.20
16	199801	6519T14		Tubing D5528-1 AS PER DWG D5528 REV. A PCS OF 10 FT LONG REQUIRED	Firmed	-	9/5/19	40 Ea	0 Ea	40 Ea	\$4.97/Ea	\$198.80
17	199802	92311A639		SS Set Screw D2747	Firmed	-	9/5/19	50 pcs	0 pcs	50 pcs	\$0.66/pcs	\$33.00
Grand Total:											\$1,525.88	

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/3/19 3:44 PM Dart.Guerin.Kimberley

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB044419 ✓

Order Placed By
Kimberley Guerin

McMaster-Carr Number
1646015-02

Page 1 of 2

09/03/2019

Line	Product	Ordered	Shipped
1	30345T971 18-8 Stainless Steel Lanyard - Not for Lifting, Loop-to-Loop, 1/16" Rope Diameter, 8" Long, Nylon	48 Each	48 ✓
2	5475A12 Pin Spanner Wrench for Holes on The Side for 1-1/4" Circle Diameter	2 Each	2 ✓
3	6399K41 303 Stainless Steel Knob with Knurled Grip with Machinable Solid Hub, 1" Head Diameter	10 Each	10 ✓
4	8334K11 F1 Felt Sheet, Firm, Adhesive Backing, 12" x 12", 1/8" Thick	2 Each	2 ✓
6	90024A232 18-8 Stainless Steel Threaded Rod, M10 x 1.5 mm Thread Size, 500 mm Long, Packs of 1	1 Pack	1 ✓
7	90128A245 Zinc-Plated Alloy Steel Socket Head Screw, 1/4"-20 Thread Size, 3/4" Long, Packs of 50	1 Pack	1 ✓
8	91116A120 18-8 Stainless Steel Oversized Washer for M3 Screw Size, 3.2 mm ID, 9 mm OD, Packs of 100	1 Pack	1 ✓
9	91772A188 Passivated 18-8 Stainless Steel Pan Head Phillips Screw, 8-32 Thread, 1/8" Long, Packs of 100	1 Pack	1 ✓
10	92095A179 Button Head Hex Drive Screw, Passivated 18-8 Stainless Steel, M3 x 0.50 mm Thread, 6mm Long, Packs of 100 <i>104 pcs</i>	1 Pack	1 ✓
11	92125A212 18-8 Stainless Steel Hex Drive Flat Head Screw, M5 x 0.8 mm Thread, 16 mm Long, Packs of 50	1 Pack	1 ✓
12	30365T351 Eye-to-Clevis Swivel - Not for Lifting, 316 Stainless Steel, 5-3/4" Long	2 Each	2 ✓
13	5462K62 Tight-Seal Easy-Install Bolt Clamp for Soft Hose and Tube, 304 Stainless Steel, 3-1/8" to 3-11/32" ID	45 Each	45 <i>OK</i> ✓
14	6264K72 Adding-and-Connecting Link for ANSI Number 40-SS Single Strand Corrosion-Resistant Roller Chain	6 Each	6 ✓
15	63215K52 Corrosion-Resistant Swivel Joint, Lubrication-Free, 1/4" ID, 21/32" OD	10 Each	10 ✓
16	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing, 3/8" ID, 9/16" OD, 10 Feet Long	40 Feet	40 ✓
17	92311A639 18-8 Stainless Steel Cup-Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10	5 Packs	5 ✓

RECEIVED

SEP 05 2019

DART AEROSPACE LTD.

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order ✓
POHB044419

Page 2 of 2

Order Placed By
Kimberley Guerin

09/03/2019

McMaster-Carr Number
1646015-02

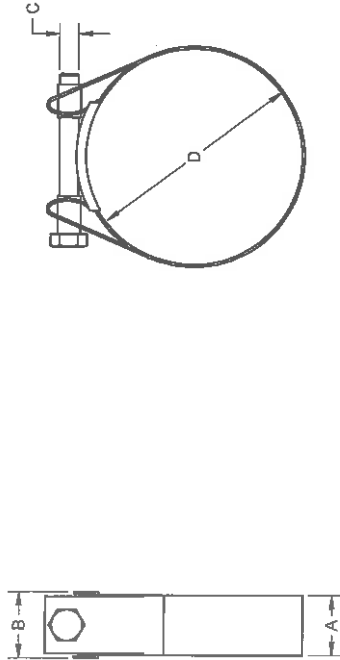
Certificate of compliance ✓

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Sarah Weinberg ✓
Sarah Weinberg
Compliance Manager

SPECIFICATION CONTROL DRAWING

PRELIMINARY ISSUE



D5616 CLAMP

DART P/N	A	B	C	D	DESCRIPTION	WEIGHT	MANUFACTURER	MANUFACTURER P/N	VENDOR	VENDOR P/N
D5616-1	0.98	1.08	M8X1.25	3.583 3.819	SUPRA HEAVY DUTY HOSE CLAMP STAINLESS STEEL, W4 91-97	0.28 lbs	MIKALOR	03013227	MAIN INDUSTRIAL SALES	18-G948197
D5616-3	0.98	1.08	M8X1.25	3.110 3.346	SUPRA HEAVY DUTY HOSE CLAMP STAINLESS STEEL, W4 79-85	0.27 lbs	MIKALOR	03013200	MAIN INDUSTRIAL SALES	18-G947985
									MCMASTER CARR	5462K62



- NOTES:
- 1) MATERIAL: 304 STAINLESS STEEL
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER MANUFACTURER'S SPECIFICATION
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
 - 7) WEIGHT: SEE TABLE

PRELIMINARY ISSUE

B	ADDED NEW ITEM D5616-3	MW	19.07.03
A	NEW ISSUE	ZF	19.03.05
REV.	DESCRIPTION	BY	DATE
DESIGN	SAD		
DRAWN	MW		
CHECKED	CP		
MFG. APPR.	DD		
APPROVED	NO		
DE APPR.	CP		
DATE	19.07.03		
DART AEROSPACE LTD			
HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. D5616			
REV. B3			
SHEET 1 OF 1			
SCALE			
NTS			
CLAMP			
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